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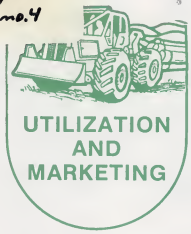

MONTANA FOREST PRODUCTS BULLETIN

Department of State Lands, Division of Forestry
2705 Spurgin Road, Missoula, Montana 59801
Ph: (406) 728-4300

GARY G. BROWN, State Forester

PAUL MOORE, Editor

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SEPTEMBER 1987

This bulletin is mailed primarily to individuals engaged in the Forest Products Industry in Montana. In addition, it is mailed to county agents, lumber brokers, wholesalers, dealers of sawmill and logging equipment, educators, and Montana Tree Farmers, as well as the Departments of Forestry in many states.

The purpose of this newsletter is to communicate information regarding the properties and uses of wood products, promote efficiency in the utilization of wood from the stump to the end product, and to serve as an information source for members of the forest products industry.

All persons receiving this newsletter are asked to examine their mailing address and advise this office of any corrections needed for proper mailing.

1986 WESTERN LUMBER PRODUCTION HIGHEST IN 27 YEARS

Portland, Oregon -- Record U.S. lumber demand and improved international markets pushed softwood lumber production in the 12 western states to 21.92 billion board feet in 1986, the highest annual volume since 1959, according to Western Wood Products Association.

The estimated wholesale value of the lumber produced was $5.73 billion. In 1985, western mills produced 19.1 billion feet of lumber valued at $4.86 billion.

Oregon remained the top lumber producing state in the region and the nation in 1986, followed by California, Washington, Idaho, and Montana. All-time annual lumber production records were set in Arizona, Montana, South Dakota and Wyoming in 1986.

The U.S. used a record 47.5 billion feet of softwood lumber in 1986, up 7.4 percent from 1985, the previous record year. Some 1.88 billion feet of American softwood lumber was exported last year, an increase of 24 percent over 1985.

More than 43 percent of the lumber used in the U.S. was supplied by western mills in 1986. Canada supplied 30 percent while mills in the South supplied 23.9 percent, according to the trade association.

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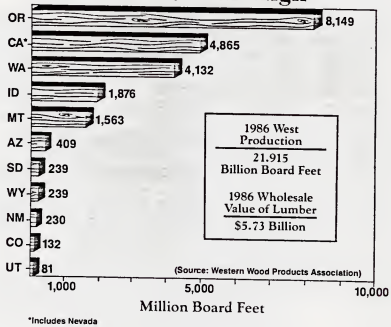
Some 46 percent of the timber processed by western mills from federal forests last year. Company-owned timber accounted for 24 percent of the raw material processed in 1986 and other sources, including private lands, provided 29.7 percent.

Western Wood Products Association is a Portland-based trade association representing lumber manufacturers in the 12 western states and is the largest lumber trade association in the world.

Western Lumber Production Hits 27-Year High



*Includes Nevada

NEW LUMBER QUALITY CONTROL PROGRAM

The Forest Products Laboratory will soon release a program called Lumber Product Size Analysis. The program determines how well target sizes are met in the sawmill and how much lumber variation is occurring. It also identifies the sources of poor size control and excessive lumber variation.

By monitoring lumber variation, problems can be identified and corrected immediately. When variation is kept to a minimum, target size can be reduced, increasing recovery. Some spinoff effects are reduction in drying degrade, drying time, and energy consumption.

The U.S. Forest Service's Best Opening Face Sawing Simulation program is used as a companion routine. The program is currently available from the Forest Service for IBM-compatible computers. Contact your State Forest Products Utilization Specialist, or regional, state or private forestry representative for further information.

MONTANA LOG PRICE REPORT

The State-wide log price report on the following page catalogs recently delivered average log prices to sawmills by species using four geographical areas within Montana. Prices are provided by approximately 35 sawmills operating within the State. The report is compiled through the Extension Forester's Office, School of Forestry, University of Montana, Missoula, Montana 59812.

MONTANA SAWLOG AND VENEER LOG PRICE REPORT

SEPTEMBER - OCTOBER 1987

The following information is a summary breakdown of recent past average prices reportedly paid by primary wood processors for logs of the various species listed. These prices are not necessarily a reflection of current market prices. Fair market prices may vary a great deal based on log size, length, quality, contract size and terms, and a number of other factors. All information reported is recent average price per thousand board feet (MBF), Scribner Decimal rule, delivered to the mill site, unless otherwise noted.

Prices provided for this report by individual firms are treated as confidential disclosure of the firm's operations. Any requests for mill-specific data which have been provided for the log report will be denied.

SAWLOGS Scribner Dec C MBF	REGION I	*	REGION II	*	REGION III	*	REGION IV	*
	Avg. Low High		Avg. Low High		Avg. Low High		Avg. Low High	
Ponderosa pine	$130/$130/$130		$178/$175/$180	G/F			$145/$145/$145	F
(Yellow)			$212/$185/$250	G	$215/$190/$250	G/F	$145/$145/$145	F
(Bull)			$147/$135/$185	G/P	$143/$100/$180	F/P	$145/$145/$145	F
Lodgepole pine	$140/$140/$140		$154/$145/$180	F/P	$156/$150/$160	G/P	$170/$160/$185	G
Douglas-fir	$140/$140/$140		$153/$140/$180	F/P	$154/$145/$170	G/P	$165/$150/$185	G
Western Larch			$151/$140/$160	F/P	$154/$145/$170	G/P		
Engelmann spruce			$156/$145/$175	G/P	$168/$160/$170	G	$170/$160/$185	G
Subalpine fir			$144/$140/$145	F/P	$143/$135/$155	F/P	$155/$155/$155	G
Grand fir			$143/$140/$145	F/P	$145/$135/$155	F/P		
Western red cedar			$173/$160/$180	F	$175/$150/$200	G/F		
Hemlock			$145/$145/$143	F/P	$138/$135/$140	P		
White pine			$209/$150/$250	F/P	$245/$200/$290	G		

VENEER LOGS Scribner Dec C MBF	STATEWIDE REPORT	
Species	Avg. Low High	Demand next 60 days*
Douglas-fir	$160/$150/$170	F/P
Ponderosa pine (bull)	$155/$155/$155	G
Western larch	$160/$150/$170	F/P

* Demand next 60 days.
G = Good
F = Fair
P = Poor

BUREAU OF INDIAN AFFAIRS TIMBER SALE

Centennial Mountain Timber Sale: Sealed bids on forms provided will be received until 11:00 a.m. local time September 15, 1987, for the purchase of the tract of timber within the Rocky Boy's Reservation, Montana, T28N-R15E, Sections 8, 9, 16, and 17. This unit contains approximately 862 acres to be logged with gross volumes of 5,303,090 board feet consisting of net volumes of 4,460,800 board feet of ponderosa pine, 509,800 board feet of Douglas-fir and 38,300 board feet of lodgepole pine. The above are ESTIMATED and NOT GUARANTEED. No bid per thousand board feet for less than $25.00 will be accepted. Before bids are submitted, full information concerning the timber, conditions of the sale and submission of the bids can be obtained from the Area Director, Bureau of Indian Affairs, Billings Area Office, 316 North 26th Street, Billings, Montana 59101, Attention: Branch of Forestry, (406) 657-6358, or Superintendent, Bureau of Indian Affairs, Rocky Boy's Agency, Box Elder, Montana 59521, Attention: Branch of Forestry, (406) 395-4221.

DEPARTMENT OF STATE LANDS TIMBER SALES

Tamarack Overwood Timber Sale:

Sealed bids will be received by the Administrator, Department of State Lands, Forestry Division, 2705 Spurgin Road, Missoula, Montana, up to 3:00 p.m., September 28, 1987, for the merchantable timber designated for cutting in Section 4, T18N-R27W, estimated to contain 1 MBF western white pine, 115 MBF ponderosa pine, 128 MBF western larch, 585 MBF Douglas-fir, and 1 MBF dry sawlogs, for a total estimated volume of 830 MBF.

Full particulars regarding the terms of the contract regulations governing the sale and bid forms may be obtained from the Department of State Lands, Forestry Division, or the Southwestern Land Office, 1401 27th Avenue, Missoula, Montana.

Wolf/Island Timber Sale:

Sealed bids will be received by the Department of State Lands, Forestry Division, 2705 Spurgin Road, Missoula, Montana, up to 2:00 p.m., September 28, 1987, for the merchantable sawtimber designated for cutting on Sections 4, 20 and 36, T29N-R26W, and Sections 12 and 20, T29N-R28W, and Section 36, T29N-R29W, and Section 16, T30N-R27W, estimated to contain 2530 MBF ponderosa pine, 81 MBF dead ponderosa pine, 588 MBF western larch, 200 MBF Douglas-fir, 3 MBF spruce, 3 MBF lodgepole pine, and 10 MBF dead other species, for a total of 3415 MBF, more or less.

Full particulars regarding the terms of the contract regulations governing the sale and bid forms may be obtained from the Department of State Lands, Forestry Division, in Missoula, Montana; the Northwestern Land Office, 2250 Highway #93 North, Kalispell; or the Libby Unit, Department of State Lands Office located at the junction of the Fisher River Road and Highway #37.

STATES TO SHARE AN ESTIMATED $262 MILLION IN NATIONAL FOREST SYSTEM RECEIPTS

About $257 million will be shared by 41 states and Puerto Rico as portions of fiscal year 1987 national forest receipts, according to estimates released today by the U.S. Department of Agriculture.

Another estimated $5.5 million payment from national grassland and land utilization project receipts in calendar year 1987 will be shared by 19 states.

F. Dale Robertson, Chief of USDA's Forest Service, said advance estimates of the state payments help local budget planners complete their work earlier in the fiscal year. He said the final payments will be based on actual receipts collected and may vary from the estimates announced today.

Robertson said 25 percent of the total national forest receipts for the fiscal year will be returned by the end of December to states with national forests. Revenues are collected by national forests for timber harvesting, grazing, recreational activities, mineral development, and other special uses. States are required by law to use their shares of the receipts for public schools and roads.

MADISON AREA RANCHERS TURN LOGS INTO DOLLARS

The Madison Conservation District and Madison area ranchers have teamed up to diversify rancher income by developing a cooperative program for converting their timber resources into lumber, enhancing forage production and planning for improved long-term productivity of both resources on local ranches. On September 29, 1987, the nuts and bolts of this cooperative program will be presented during a field demonstration at the Peter V. Jackson ranch in Norris. This demonstration is free and open to the public. The demo will be of interest to forest landowners including farmers and ranchers, industry and agency forest managers, forestry consultants and conservation district employees interested in starting a similar program in other parts of the State.

The Madison Conservation District in cooperation with the Headwaters RC&D, has applied for a grant to purchase a portable sawmill which will be used to manufacture lumber from logs harvested on ranches on the Madison district. Ranchers who develop a forest management plan for long term production of timber and forage resources, will contract with the mill operator to have their logs sawn to their specifications. The mill will be set up at the harvest location. The landowners will harvest and deck their own logs at the mill site. The landowner and the conservation district will enter into a contract stating the price that the landowner will pay for the lumber products.

The field show will include a demonstration of the Blackfoot Grapple and a tractor logging winch, two inexpensive and adaptable pieces of harvesting and skidding equipment attachments which operate on farm tractors with a minimum of 30 hp.

This program will also include short, informative presentations on timber management, thinning techniques, harvesting techniques, timber marketing strategy, and forested range management.

We hope you will take the time to join us for this informative and enjoyable demonstration of cooperative management and new technology. This may be just the ticket for landowners who want to diversify their income base, improve the long-term productivity of their land and convert their own logs into lumber.

For a map and other information contact Chuck Aaberg at the Madison Conservation District 682-7282, evenings 682-4899; or Bob Addreozzi RC&D Office 563-6078.

QUALITY CONTROL SEMINAR

Sawmill Specialists from the U.S. Forest Service, Forest Products Laboratory in Madison, Wisconsin will be presenting three days of hands on lumber and veneer quality control training at the Aerial Fire Depot in Missoula, Montana September 15-17, 1987.

The seminar will focus on new quality control computer programs developed for IBM-compatible computers at the Forest Products Laboratory. Part of the first day will be spent at Champion's Missoula Studmill to collect log and lumber data for analysis. The information will be taken to the classroom for computing. Participants will learn how to use Log Analysis, Lumber Product Size Analysis, Best Opening Face Sawing Simulation, Saw Design Analysis, and the Veneer Analysis. All are part of an interrelated series of programs that are part of the National Improved Lumber Manufacturing Program.

Who Should Attend?: Plant managers, mill supervisors, quality control personnel, industrial analysts and wood products consultants will find this seminar useful. Because of the large amount of information to be covered, little time will be spent on how to use the computer. Those attending should have a general knowledge of Lotus 1-2-3 and the DOS operating commands. A limited number of computers will be available, therefore it is recommended that attendees bring their own if possible.

Those wishing to attend should contact Ken Kilborn, at the U.S. Forest Service Regional Office in Missoula at (406) 329-3041 or Paul Moore at (406) 542-4239.

LOG MANUFACTURING WORKSHOP SCHEDULED

The Montana Department of State Lands is sponsoring a 1/2 day Harvesting workshop in the Lewistown area September 22, 1987. Jim Wallace, Check Scaler for the Department of State Lands, will discuss scaling log defects and Improved Log Manufacturing. Bud Clinch, Safety Director with the Montana Logging Association will also be on hand to talk about the new logger safety program. For more information contact John Walkowiak at (406) 538-7789.

PUBLICATIONS AVAILABLE

Forest Products Importers of the Pacific Rim: This booklet published by the Washington State University, lists the names of importers located in Hong Kong, Korea, Japan and Taiwan. Approximately 280 firms are listed. This publication costs $2.00 and can be purchased from Washington State Cooperative Extension Service, Pullman, Washington 99164.

Wood Handbook: This recently updated desk reference publication prepared by the Forest Products Laboratory (FPL), is now available for use in the wood products and construction industries.

This 23-chapter handbook (Agriculture Handbook No. 72) is designed as an aid to more efficient use of wood as a construction material. The Handbook provides detailed information on wood as an engineering material. The publication is designed to give engineers, architects and builders an authoritative source of information on the physical and mechanical properties of wood and how these properties are affected by such factors as density, growth characteristics, processing variables and conditions of use. The Handbook will aid users in the proper selection, use and treatment of woods.

The Handbook describes basic properties of common woods from around the world, with many of them--especially the physical and mechanical properties--given in detail for selected species. Structural analysis methods for wood are included. Characteristics of mechanical fasteners, such as nails, bolts and timber connectors, are presented, as are design methods for their use. The importance of adhesives in the joining of woods is discussed, along with guidance for various applications. Seasoning and moisture control, protection from attack by organisms, preservative treatment, wood finishing, fire safety and the like are fully covered. Each chapter includes a list of selected references to provide additional information, and a glossary of terms is also included.

Copies of the revised Wood Handbook are available from Superintendent of Documents, U.S. Government Printing Office, 710 N. Capitol Street, Washington, DC 20402. Requests should include complete title and stock number: Agriculture Handbook No. 72, Wood Handbook, Stock No. 001-000-044-56-7. The cost is $27.00.

FOR SALE PRODUCTS

For Sale: Dead lodgepole squares and timbers, from 4 x 4 to 12 x 12. Also, green fir and larch 4 x 4 to 16 x 16, one piece or a truck load. Contact: Pat Kearney, Kearney Logging and Sawmill, Inc., Box 485, Eureka, Montana 59917, phone (406)-889-3520.

For Sale: ¼" to 2 ¼" dia. x 16 ft. lg. or larger dowels available in lengths up to 10 ft. long. Balls, bases, blocks, electronic parts, handles, knobs, moldings, plugs, reels, rollers, shaping, spools, toy parts, wedges, and wheels. Available in plain, dip spray or tumble finishes. We treat for outside use. Also, Cooper's and Food Processor supplies. Many other wood products to customer specs. Contact: Ed Koelbl, American Wood Working Co., P.O. Box 335, Montello, Wisconsin 53949, phone (608)-297-2131.

FOR SALE EQUIPMENT

For Sale: One 240 Marthon Gang Saw, includes 1", 1 3/4", and 2" blocks. Also a #22 Armstrong Grinder, stricker roll, shapper and swage and other blades. Please contact Ivan Miller, 250 Border Lane, Rexford, Montana 59930, phone (406)-889-3221.

For Sale: Ramey 135 loader on carrier, perfect for short logs or smaller timber. Contact: Rod Dickens, R&V Lumber, 11810 Highway 324, Dillon, Montana 59725, phone (406)-681-3137.

Logging Equipment for Sale: 1) '83 Timberjack 450 Cable/Grapple, new 23.1 x 26 tires 453T $29,000; 2) '80 John Deere 540B Grapple, new 23.1 x 26 $25,000; 3) '79 JD 540B Grapple $21,500; 4) '80 JD 540B Cable, new 23.1 x 26 $22,000; 5) '80 JD 440C Cable, new 18.4 x 26 $20,000; 6) '79 Tree Farmer C7D Grapple, 28L x 26 tires $24,500; 7) '79 Tree Farmer C5D Esko Grapple $18,500; 8) '76 Tree Farmer Cable $13,500; 9) JD 440A Cable $7,800; 10) JD 540A Cable $11,000; 11) Timberjack 240D Cable $14,500; 12) '80 Timberjack 240D Cable $19,500; 13) '80 Franklin 170 PSL Feller Buncher $24,500; 14) Drott Feller bunchers and parts; 15) Prentice "H" Loader 262 AC Diesel $6,500; 16) We also have located '85 JD 448 Grapple for $32,000. Contact: Midwest Tractor, Inc., Highway 10 West, Big Lake, Minnesota 55309, phone (612)-263-3777, or evenings Ron (612)-295-5037.

For Sale: Portable scragg mill, no power $3,000. Contact: Pat Kearney, Kearney Logging and Sawmill, Inc., Box 485, Eureka, Montana 59917, phone (406)-889-3520.

If you wish to advertise a forest product or a piece of wood-processing machinery in this bulletin complete the form below. No charge is made for this service. If you wish to rerun an item, a written request must be submitted before the next issue.

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